



## **Patent Application of Michael Jermaine Stattelmann for the**

### **Extended Capacity Compact Disc**

**This patent application is based on Disclosure Document filed on 2 October 2002 w/  
DD#520185, Along w/ the Provisional Patent Application filed on 11 Feb 2003**

#### **Background - Field of invention**

This invention relates to Optical Discs and the like for the use of retaining various formats of information, with the focus being on those used in the entertainment avenues and commercial use of these products with computers, DVD players and CD players of all sorts.

#### **Summary**

The extended Capacity Compact Disc allows for more information in various formats to be placed on it, than current market Optical Discs in all current forms some examples being: CD, CDROM, Video Games , DVD and all of their various models to date.

#### **Objects and Advantages**

The purpose of the Extended Capacity Compact Disc is to provide the user with increased information storage capacity, the various information formats include, DVD, Audio, MPEG, MP3, Movies, Video Games, WAV files, along with any number of computer program and media variations.

#### **Brief Description of the Drawings**

In figure #1: The information storage surface is shown with the folds that carry the information data track, running perpendicular to the data track itself. Visible in the side view.

In figure #2: The information storage surface is shown with the folds that carry the information data track, running parallel to the data track itself. Visible in the Cut away view.

### **Preferred Embodiment – Description**

Taken the basic Compact Disc (CD) or Digital Video Disc (DVD) increase the width to 1.8 millimeters (a .6 millimeter increase) or more, which would allow for the folding, crimping or creasing of the information (polycarbonate plastic) storage surface therefore expanding the available surface area of the disc and thus increasing the storage capacity of such disc. Precaution does however have to be taken into account with regards to the size of the width increase in order for the disc to function properly with current readers, burners and computers on the market today. It does help to know that the depth of the folds is that which determines the extended storage capacity, i.e. the deeper the fold or crease the more surface are and furthermore more storage capacity.

### **Preferred Embodiment – Operation**

The Extended Capacity Compact Disc works in the same manner as any CD,DVD or Optical Disc in use today with the laser eye of the reading device following and reading the data or information track with the exact same playback and quality sequences with the only difference being that of the folds or crimps allowing for more information to be placed on the disc that the ones currently on the market. Quality nor reading accuracy would be jeopardized due to the tracking system and motor used in most readers keeping the rate consistent.

### **Conclusions, Ramifications, and Scope**

Accordingly, it can be seen that the Extended capacity compact disc provides a wide variety of users the ability to place and use at a minimum 100% more information on it than the current market models to date, This will allow for smaller packaging requirements with regards to commercial and private information alike to use less materials than is at present needed. In other words a CD that can hold more songs, a DVD that holds complete movies or any extras the studio wants to place on it. Computer program discs that hold even more information so the need for more than one disc to hold a given program will be greatly reduced. Thus the scope of the invention should be determined by the appended claims and their legal equivalents, rather than by examples given.